



Crops & Weather

National Agricultural Statistics Service
Minnesota Field Office

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In Cooperation with the Minnesota Department of Agriculture, National Weather Service – Chanhassen MN,
Univ. of Minn. Extension Service, DNR State Climatology Office, USDA-FSA, USDA-NRCS, and Local FACs

Released August 5, 2013

Issue No: CW3113

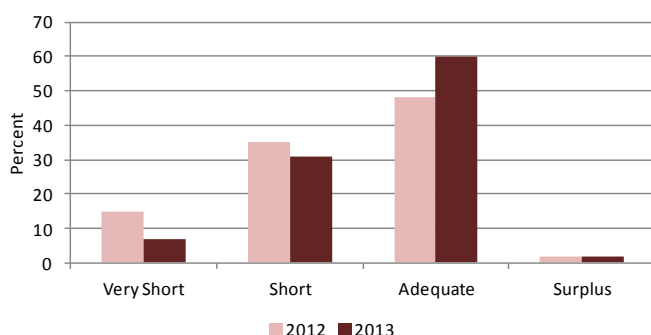
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Dry conditions gave Minnesota farmers an average of 6.5 days suitable for field work in Minnesota during the week ending August 4, 2013 according to the USDA, National Agricultural Statistics Service. However, temperatures remained below normal with a statewide weekly average of 63.8 degrees. An average of only 0.11 inches of rain was received statewide last week, reducing topsoil and subsoil moisture levels to 38 and 28 percent short to very short, respectively. The South Central region was the driest region, with no measurable rainfall reported.

Eighty-four percent of Minnesota's corn was at or beyond the silking stage, compared to the five year average of 91 percent. Fourteen percent of corn had reached the milk or beyond stage, over two weeks behind last year. Corn conditions declined slightly for the second consecutive week, rating at 60 percent good or excellent. Eighty-one percent of the soybean crop was at or beyond the blooming stage, an advancement of 13 percentage points from the previous week. Twenty-eight percent of soybeans were setting pods, 23 percentage points behind normal. Soybean conditions also declined slightly for the second consecutive week, rating at 61 percent good or excellent. Seventy percent of the spring wheat crop was turning ripe, behind the average of 75 percent. Small grain harvest moved along with 12 percent of oats and 7 percent of barley reported harvested.

Pasture conditions declined to 60 percent good or excellent. Spring wheat and barley conditions improved to 63 and 56 percent good or excellent, respectively. All other crop conditions declined, with the exception of sugarbeets and sunflowers.

Topsoil Moisture Supply, August 4



Soil Moisture Levels as of August 4, 2013

| | Very Short | Short | Adequate | Surplus |
|------------------|------------|---------|----------|---------|
| | Percent | Percent | Percent | Percent |
| Topsoil Moisture | 7 | 31 | 60 | 2 |
| Subsoil Moisture | 4 | 24 | 71 | 1 |

Crop Condition as of August 4, 2013

| | Very Poor | Poor | Fair | Good | Exc. |
|-------------------|-----------|------|------|------|------|
| Pasture | 4 | 10 | 26 | 52 | 8 |
| Oats..... | 1 | 5 | 24 | 58 | 12 |
| Barley | 2 | 9 | 33 | 46 | 10 |
| Spring Wheat..... | 3 | 7 | 27 | 51 | 12 |
| Sugarbeets | 0 | 7 | 21 | 63 | 9 |
| Sunflowers..... | 0 | 3 | 39 | 50 | 8 |
| Corn | 2 | 7 | 31 | 49 | 11 |
| Soybeans | 2 | 7 | 30 | 51 | 10 |
| Potatoes | 1 | 3 | 14 | 50 | 32 |
| Canola | 0 | 4 | 65 | 29 | 2 |
| Dry Beans..... | 1 | 10 | 33 | 46 | 10 |

Crop Progress as of August 4, 2013

| | This Week | Last Week | Last Year | 5 Yr Avg |
|-----------------------------|-----------|-----------|-----------|----------|
| Days Suitable for Fieldwork | 6.5 | 5.9 | 5.8 | 5.5 |

| | Percent | Percent | Percent | Percent |
|---------------------------------|---------|---------|---------|---------|
| Corn silking..... | 84 | 60 | 99 | 91 |
| Corn milk | 14 | 2 | 80 | 37 |
| Soybeans blooming | 81 | 68 | 97 | 88 |
| Soybeans setting pods | 28 | 12 | 81 | 51 |
| Soybean height, inches..... | 24 | 20 | 29 | 24 |
| Oats turning ripe | 81 | 57 | 100 | 89 |
| Oats harvested | 12 | 3 | 84 | 37 |
| Spring Wheat turning ripe | 70 | 42 | 100 | 75 |
| Barley turning ripe..... | 86 | 59 | 100 | 75 |
| Barley harvested..... | 7 | 0 | 92 | 27 |
| Sweet Corn harvested | 8 | 3 | 28 | 14 |
| Dry Beans blooming | 85 | 65 | 100 | NA |
| Dry Beans setting pods..... | 41 | 14 | 89 | NA |
| Alfalfa, second cutting..... | 88 | 75 | NA | NA |

Precipitation and Temperature Summary for 7/30/2013 through 8/4/2013

| | Temperature | | | | Precipitation | | | | G D D | |
|------------------------|-------------|-----|--------------|------------------|---------------|--------------------|------------|-----------|-------------|------------------|
| | High | Low | Week Average | Depart from Norm | Week Total | Depart From Normal | | | Since 05/16 | Depart From Norm |
| | | | | | | Past Week | Four Weeks | Since 4/1 | | |
| NORTHWEST DISTRICT | | | | | | | | | | |
| Crookston | 79 | 43 | 63.1 | -6.6 | 0.18 | -0.52 | -1.8 | -2.93 | 1351 | 49 |
| Itasca | 79 | 43 | 61 | -6.2 | 0.16 | -0.6 | -.46m | -3.22m | 828m | -305m |
| Moorhead | 83 | 50 | 66 | -5.6 | 0.07 | -0.49 | -1.63 | 6.73 | 1476 | 59 |
| Pembina, ND | 76 | 47 | 61.5 | -6.1 | 0.06 | -0.56 | 1.9 | 2.36 | 1190 | 8 |
| Warroad | 73 | 44 | 59.6 | -7.9 | 0.02 | -0.73 | -.51m | -4.78m | 1025m | -128m |
| NORTH CENTRAL DISTRICT | | | | | | | | | | |
| Grand Rapids | 77 | 42 | 62.2 | -6.3 | 0.03 | -0.81 | -0.41 | -1.61 | 1155 | -66 |
| Intl. Falls | 74 | 38 | 59.6 | -6 | 0.16 | -0.54 | 3.06 | 4.32 | 1086 | 30 |
| NORTH EAST DISTRICT | | | | | | | | | | |
| Duluth | 78 | 47 | 64.4 | -2 | 0.2 | -0.6 | -1.94 | 0.62 | 1095 | 55 |
| Grand Marais | 78 | 47 | 60.8 | -3.1 | 0.09 | -0.53 | 3.56 | 8.98 | 555 | -196 |
| Hibbing | 75 | 37 | 59.6 | -5 | 0.06 | -0.77 | -0.2 | -0.75 | 1099 | 128 |
| WEST CENTRAL DISTRICT | | | | | | | | | | |
| Alexandria | 79 | 51 | 65 | -5.9 | 0.26 | -0.51 | -0.13 | -1.36 | 1355 | -15 |
| Breckenridge | 80 | 48 | 65 | -6 | 0 | -0.73 | -1.52m | -2.72m | 1260m | -139m |
| Browns Valley | 81 | 46 | 63.2 | -8.3 | 0.4 | -0.3 | -1.14m | .22m | 1220m | -197m |
| Canby | 82 | 52 | 66.4 | -6.4 | 0.28 | -0.37 | .59m | 5.30m | 1391m | -123m |
| Montevideo | 80 | 45 | 64.6 | -7 | 0.21 | -0.54 | 0.23 | 5.16 | 1383 | -80 |
| Morris | 77 | 49 | 63.6 | -6.8 | 0.13 | -0.67 | -0.87 | 2.38 | 1338 | -60 |
| Wheaton | 78 | 49 | 64.8 | -7.1 | 0.14 | -0.48 | -0.33 | -1.2 | 1378 | -69 |
| CENTRAL DISTRICT | | | | | | | | | | |
| Becker | 81 | 48 | 64.8 | -6.3 | 0.27 | -0.64 | -1.53 | -3.94 | 1443 | 11 |
| Collegeville | 80 | 52 | 65.6 | -6.9 | 0.1 | -0.71 | -1.81 | 1.13 | 1399 | -107 |
| Hutchinson | 82 | 49 | 65.9 | -5.8 | 0.1 | -0.78 | -0.9 | 2.34m | 1426m | -69m |
| Melrose | 79 | 47 | 64.1 | -5.7 | 0.06 | -0.75 | -1.22 | 1.71 | 1331 | -19 |
| Olivia | 81 | 46 | 62.9 | -8.2 | 0.48 | -0.26 | -1.2 | 2.3 | 1323 | -140 |
| St. Cloud | 82 | 45 | 63.4 | -6.9 | 0.07 | -0.7 | -1.56 | 1.62 | 1334 | -35 |
| Wadena | M | M | M | M | M | M | .42m | .20m | 1010m | -195m |
| Willmar | 80 | 48 | 63.8 | -8 | 0.43 | -0.42 | -1.62 | -1.71m | 1352 | -141 |
| EAST CENTRAL DISTRICT | | | | | | | | | | |
| Aitkin | 76 | 45 | 61.2 | -6.4 | 0 | -0.79 | -1.6 | 1.41m | 1060m | -124m |
| Forest Lake | 82 | 50 | 64.9 | -7 | 0.46 | -0.46 | -1.89 | 1.6 | 1387m | -87m |
| MSP Airport | 83 | 56 | 69.3 | -4.4 | 0 | -0.96 | -0.18 | 5.28 | 1605 | 26 |
| Mora | 80 | 45 | 63.6 | -5.8 | 0 | -0.86 | -1.67 | .44m | 1264 | -38 |
| St. Paul - UofM | 79 | 50 | 65 | -6.9 | 0.08 | -0.84 | -0.69 | 6.85 | 1386 | -88 |
| SOUTH WEST DISTRICT | | | | | | | | | | |
| Lamberton | 84 | 46 | 64.2 | -7.2 | 0.01 | -0.8 | -2.91 | -1.49 | 1472 | -35 |
| Marshall | 82 | 50 | 66.4 | -6.1 | 0 | -0.78 | -1.84 | -1.17m | 1467m | -55m |
| Pipestone | 84 | 45 | 63.1 | -8.4 | 0.07 | -0.61 | -0.43 | .10m | 1349m | -91m |
| Redwood Falls | 85 | 50 | 67 | -5.4 | 0.17 | -0.63 | -2.26 | -3.32 | 1501 | -44 |
| Sioux Falls | 85 | 49 | 65.8 | -7.3 | 0.22 | -0.44 | -2.01 | 1.37 | 1482 | -39 |
| SOUTH CENTRAL DISTRICT | | | | | | | | | | |
| Worthington | 85 | 45 | 63.6 | -7.6 | 0 | -0.79 | -2.76 | -1.11m | 1446m | -23m |
| North Mankato | M | M | M | M | M | M | -1.27m | -1.72m | 1352m | -160m |
| Owatonna | 82 | 49 | 64.7 | -7.1 | 0 | 1.07 | 0.96 | 5.57 | 1426m | -68m |
| Waseca | 83 | 48 | 64 | -7.9 | 0 | 1.04 | 1.29 | 7.66 | 1428 | -97 |
| Winnebago | 85 | 51 | 66 | -6.1 | 0.01 | -0.95 | -0.8 | 5.66m | 1469m | -62m |
| Cannon Falls | 79 | 45 | 62.6 | -8.4 | 0.15 | -0.88 | -3.74m | 2.57m | 878m | -564m |
| SOUTH EAST DISTRICT | | | | | | | | | | |
| La Crosse | 83 | 51 | 68.3 | -5.4 | 0.02 | -0.94 | -2.57 | 5.6 | 1579 | -22 |
| Preston | 82 | 45 | 64.9 | -6.1 | 0.03 | -0.98 | -1.46 | 11.37m | 1387 | -32 |
| Red Wing | 81 | 51 | 65.7 | -6.7 | 0.11 | -0.79 | -1.52 | 2.53 | 1493 | -12 |
| Rochester | 81 | 49 | 65.4 | -5.8 | 0 | 1.03 | -1.96 | 11.36 | 1420 | -53 |
| Rosemount | 80 | 51 | 64.5 | -7 | 0.19 | -0.86 | -1.1 | 1.01m | 1387 | -77 |
| Winona Dam | 80 | 53 | 66.3 | -5.8 | 0.01 | -0.98 | -2.54 | 8.7 | 1465 | -9 |

m=some data missing

Corn growing degree days (GDD) are calculated by subtracting a 50 degree base temperature from the average of the maximum and minimum temperature for the day. The daily maximum is limited to 86 degrees and minimum of 50 degrees.

Data in this summary are courtesy of National Weather Service Offices and Cooperators, and the University of Minnesota Agricultural Experiment Station. This summary is prepared by the Minnesota Extension Service Agricultural Meteorologist and the Department of Natural Resources State Climatology Office.

URL://climate.umn.edu